

780.29643CX1

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Thomas J. CAMPANA, Jr.

Serial No.:

To Be Assigned

Filed:

May 18, 1995

(Concurrently Herewith)

For:

ELECTRONIC MAIL SYSTEM WITH RF

COMMUNICATIONS TO MOBILE PROCESSORS

Group:

2608

Examiner:

G. Oehling

## CHANGE OF ADDRESS

Honorable Commissioner of Patents and Trademarks Washington, D. C. 20231 May 18, 1995

sir:

This is to advise that firm responsible for the above-identified application has recently moved. All future communications are now to be directed to the following Address:

ANTONELLI, TERRY, STOUT & KRAUS

Suite 1800

1300 North Seventeenth Street

Arlington, Virginia 22209 Telephone: (703) 312-6600 Facsimile: (703) 312-6666

Respectfully submitted,

Donald E. Stout

Registration No. 26,422

ANTONELLI, TERRY, STOUT & KRAUS

DES:dlh



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# TRANSMITTAL OF FORMAL DRAWINGS

Honorable Commissioner of Patents and Trademarks Washington, D. C. 20231 May 18, 1995

. sir:

Transmitted herewith are twelve (12) sheets of Formal Drawings (non-bristol boards) showing Figs. 1-12 in the above-identified application in compliance with the provisions of Rule 84.

Respectfully submitted,

Donald E. Stout

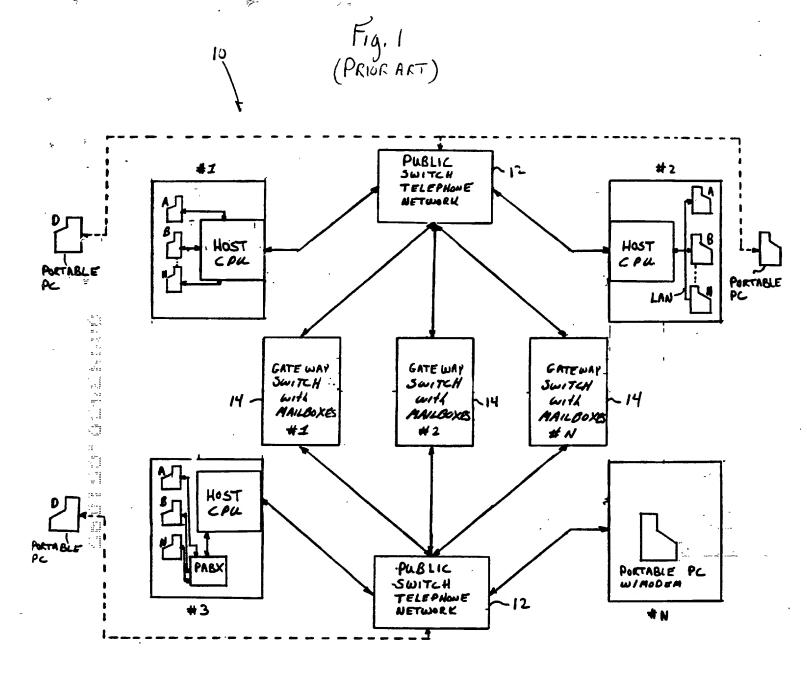
Registration No. 26,422

ANTONELLI, TERRY, STOUT & KRAUS

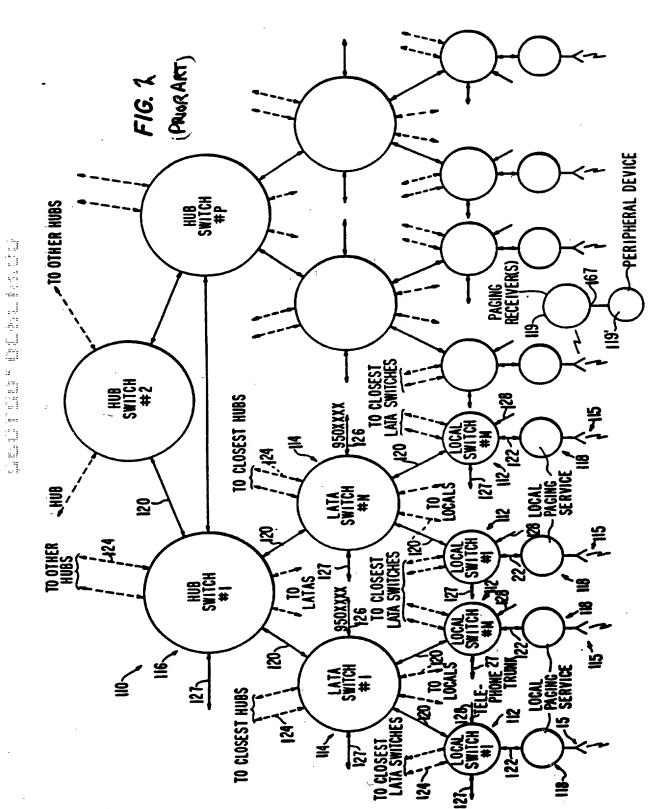
(703) 312-6600

Attachments

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9.

ID CODE BUFFERS

FIG. 3 (PRIOR ART) **SWITCH** MEMORY MAP LOCAL 156 158 160 154 FREQUENCY LOCAL LATA SUBSCRIBER FILES N (9999) FILES N (1000) **BUFFERS BUFFERS** 184 INBOUND 162 FILE 1 (1000) ① FILE # 1 ( 0,000) 164 **PAGES** 2 TELEPHONE # 0-15 FRE-INBOUND 166 (3) SUBSCRIBER AND PAGER ID CODE LATA 0 **QUENCIES USED** 168~ IN REGION COR-BUFFER 4 SERVICE OPTIONS **10** NO SERVICE RESPONDING TO (1) LOCAL FILE # 180 2 © REGIONAL **(1)** NATIONAL 3... ( ABOVE WITH REPEAT PAGING 1 DATA SERVICE 4 **(1)** EXTERNAL DATA 170-186 **5** SUBSCRIBER NAME/ACCOUNT OUTBOUND 5. ACCOUNT # LATA 174 BUFFER ① PAGE COUNT (L,R,N) 176-6 **8** # OF DATA CHARACTERS SENT 178 (9) DESTINATIONS AREA CODE(S) 182 7 8. FILE # N (999)

FILE # N (9999)

The state of the s

FIG. 4 (PRIOR ART) LATA SWITCH MEMORY MAP 196 192 194 190 LOCAL BUFFERS HUB LATA 188~ OPTIONAL **OPTIONAL** MEMORY ID BUFFERS INBOUND PAGER ID OUTBOUND ALL **PAGES** CODES OF LOCAL#1 **PAGES** 102 198 ALL CALL ALL CALL OUTBOUND PAGES BUFFER BUFFER LOCAL # 1 **PAGES PAGES** FROM FROM HUB LOCAL SWITCHES **SWITCH** INBOUND 204 **PAGES** 200 ALL PAGER ID CODES OF LOCAL # N (26) OUTBOUND LOCAL # N (25)

The second secon

FIG. 5
HUB SWITCH MEMORY MAP

		HOR SMITCH	MEMUKI MAT			
	206	208	210	212		
	HUB BUFFERS	LATA BUFFERS	LATA CODE TABLES N (100)	HUB ROUTING CODES N (1000)		
	INBOUND HUB # 1	INBOUND LATA#1	LATA	ROUTING CODE 1234,5,6 (312)		
114		<b>3</b> 18	CODE 222 # 1			
	INBOUND	INBOUND				
	HUB # N (6)	OUTBOUND LATA I				
	OUTBOUND HUB					
·			<del></del>			
216						
		220 —				
	<b></b>					
	<u> </u>		LATA			
			CODE	ROUTING CODE		
	OUTBOUND	OUTBOUND Lata # N (100)	# N (100)	# N (999)		
	HUB # N (6)	LAIN THE (100)				

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FIG. 6
(PRIOR ART)

THE FIVE LAYER MODIFIED X.25 PACKET

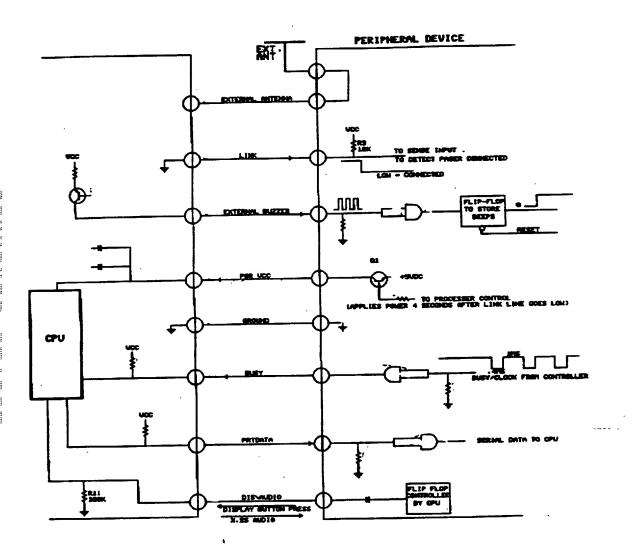
END OF FILE FILE SIZE PAGE N PAGE PAGE 4 SPECIAL MESSAGE DETAIL L-COUNTRY-CITY CODES REA CODES. PAGE 3 DESTINATION(S) LA DIGIT ID CODE L-BEGINNING OF FILE PAGE 2 PAGE 1 PACKET SIZE 0  $\Theta$ 

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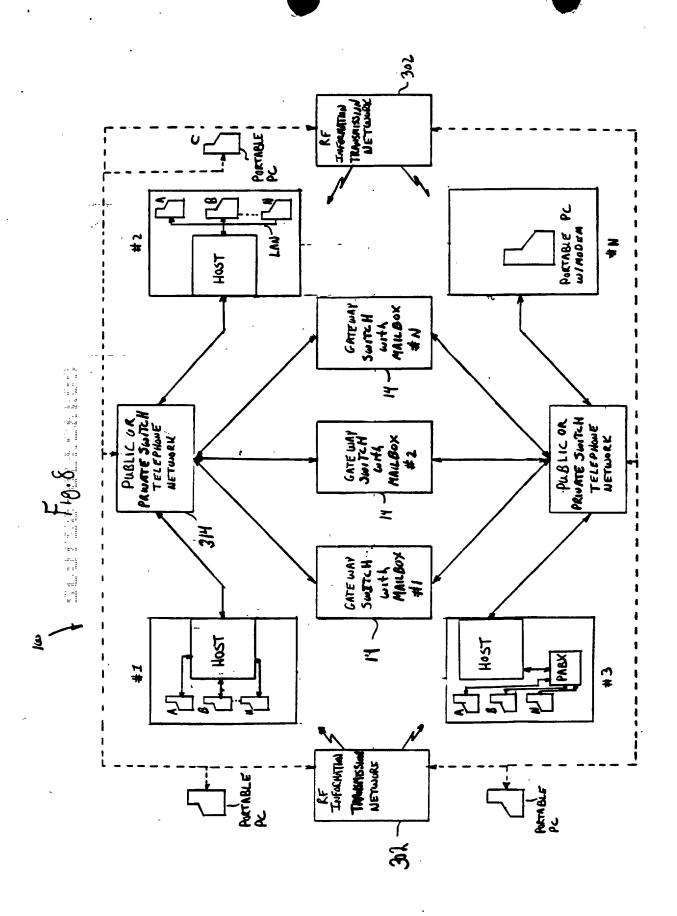
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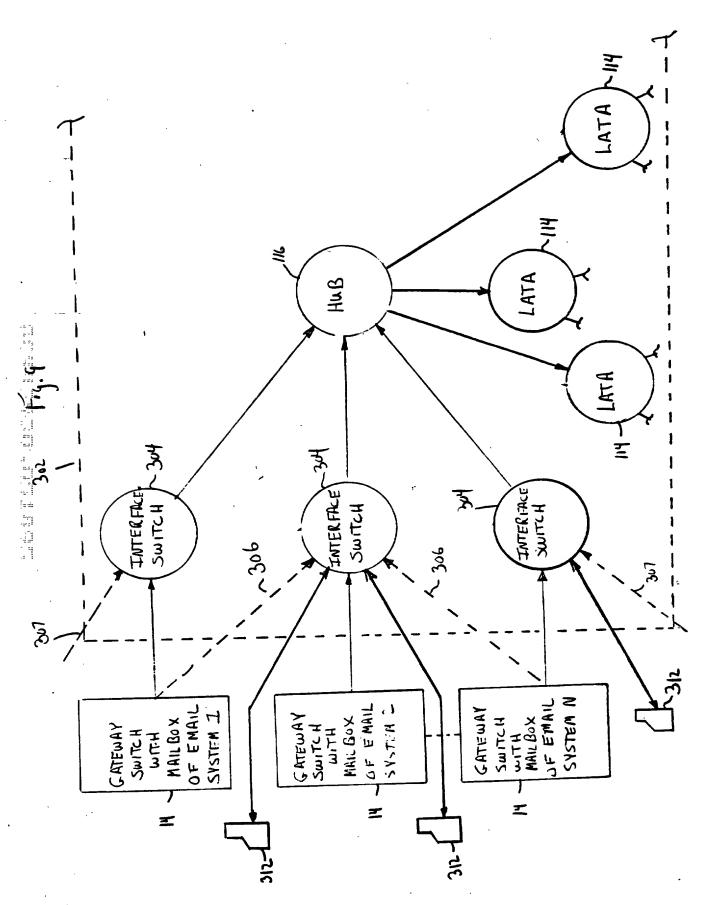
Fig.7

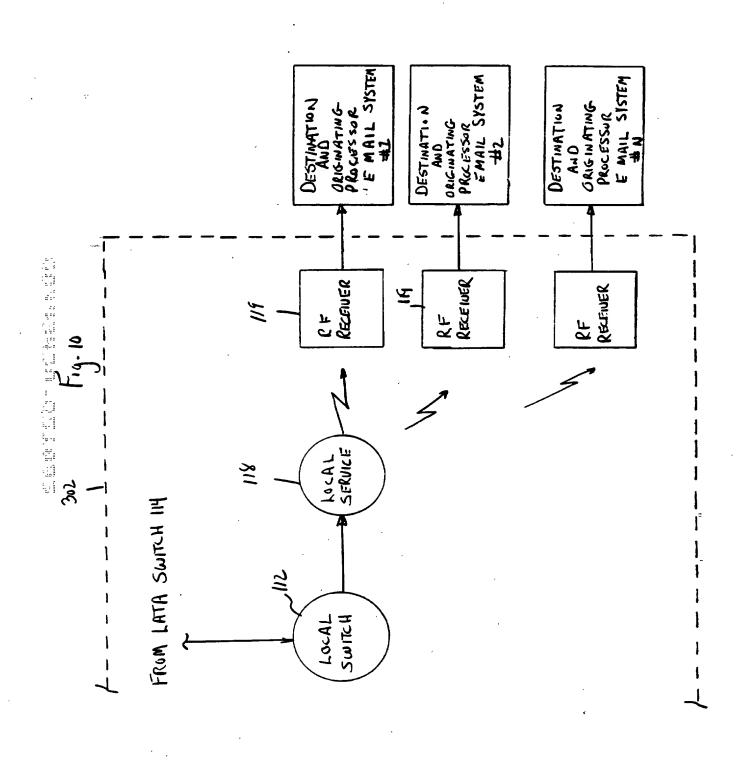
(PRIOR ART)



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# ELECTRONIC MAIL MESSAGE ENTRY METHODS

Interface Switch 304	Adds ID of RF receiver 119	No action other than ID verification.	Adds ID of receiver 1ff	No action other than IO verification.	No-Action other than It i Verlied	Adds ID of receiver IIA	No-Action other than IO VERIFICATION
Gateway Switch ri	No-Action	No-Action	Adds wireless destination.	Adds wireless destination and ID of receiver 19	Adds 1D of receiver 119 No-Action offer	No-Action	my No-Action
Originating	Adds interface (wireless) destination and destination) processor	Adds interface (wireless) destination and ID of receiver 19	Adds destantion processor	Adds cresturation pricessur	Adds. destaution processor, condition points to displayed icon, processor adds. wireless destination.	Alls destination processing operatur points todisplayed icon, an sustain processing and wireless destination.	Adds acctuation processes, operator points to displayed icon, anywhy No-Action processes wireless destination and
Entry Method	-	8	<b>m</b>	<b>→</b>	•	•	

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